

Title (en)
BLUETOOTH NETWORK, COMMUNICATION METHOD, APPARATUS, AND STORAGE MEDIUM THEREOF

Title (de)
BLUETOOTH-NETZWERK, KOMMUNIKATIONSVERFAHREN, VORRICHTUNG UND SPEICHERMEDIUM DAFÜR

Title (fr)
RÉSEAU BLUETOOTH, PROCÉDÉ DE COMMUNICATION DANS UN RÉSEAU, APPAREIL, ET SUPPORT DE STOCKAGE CORRESPONDANT

Publication
EP 4038896 A4 20231025 (EN)

Application
EP 20872199 A 20200905

Priority

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- US 202017012895 A 20200904
- US 2020049595 W 20200905

Abstract (en)
[origin: US2021099948A1] Embodiments of the disclosure provide a Bluetooth network, a communication method, an apparatus, and a storage medium thereof. In the embodiments of the disclosure, a Bluetooth network comprises a Bluetooth node configured with a forwarding capability and serving as a non-leaf node, and a Bluetooth node functioning in a Bluetooth advertising mode to serve as a leaf node. Each leaf node is connected to at least one of one or more non-leaf nodes. Via the forwarding capability of the non-leaf node, the leaf node communicates with other leaf nodes or non-leaf nodes not within its signal coverage, thereby extending a communication range of a Bluetooth node.

IPC 8 full level
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CPC (source: CN EP US)
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Citation (search report)

- [X] WO 2015166307 A1 20151105 - NOKIA TECHNOLOGIES OY [FI], et al
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- See also references of WO 2021067002A1

Designated contracting state (EPC)
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US 11576110 B2 20230207; **US 2021099948 A1 20210401**; CN 112584364 A 20210330; CN 112584364 B 20240308; EP 4038896 A1 20220810; EP 4038896 A4 20231025; WO 2021067002 A1 20210408

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US 202017012895 A 20200904; CN 201910943308 A 20190930; EP 20872199 A 20200905; US 2020049595 W 20200905